

VOL. VI.--NO. 250.

HONOLULU, HAWAIIAN ISLANDS, SATURDAY, OCTOBER 22, 1887.

PRICE 5 CENTS.

THE DAILY

Commercial

18 PUBLISHED

Every Morning Except Sundays.

SUBSCRIPTIONS:

DAILY P. C. ADVERTISER, one year	6	00
DAILY P. C. ADVERTISER, six months		
DAILY P. C. ADVERTISER, three months	1	50
DAILY P. C. ADVERTISER, per month		50
WEEKLY P. U. ADVERTISER, one year	5	00
postage)	6	50

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THE CULTURE OF OPIUM.

The Industry in Malwa and Bengal-Gathering the Poppy's Juice.

It is probable that very few owners of flower-gardens are aware that the poppies cultivated merely for ornament will produce opium. When the flower petals have fallen, leaving the seed capsule bare, if an incision be made in that body, a sticky juice will exude. This juice is opium. It varies in certain chemical qualities, according to the country in which it is cultivated, and the variety of plant from which it is produced.

Although the plant will grow in almost any climate, it is in India that it is most satisfactorily cultivated, the opium revenue of that country being derived from two sources, those of Malwa and those of Bengal. The Malwa opium is produced in the native states of the interior, and is not controlled by the British government, except by a tax. Bengal opium, on the contrary, is under the direct superintendence of English officials.

When the land has been plowed and harrowed, the poppy seed is sown at the and of October, or the beginning of November. Six pounds of seed are sufficient for the third of an acre.

As soon as it begins to germinate, as it does in a week after sowing, the land is divided by furrows into rectangular beds, about eight feet in length by four in breadth. These channels are used for irrigation, as the plants need frequent watering, sometimes requiring it until the crop is matured. About seventy-five days after germination, the flower appears, and its four petals are gently removed, on the third day after their expansion, to be pasted together with the leaves destined to form the outer shell of the opium cake.

In the course of eight or ten days, the capsules are lanced at night, and the juice which has exuded from the incisions is scraped off in the morning, with a small scoop, and transferred to a metal or earthen vessel. This process is three or four times repeated, at intervals of two or three days, and the result is crude opium. The flower petals and the plant-leaves and stalks have also a considerable value for packing purposes, and the thicker portions of the stalks are used by the peasants for fire-wood. The crude opium, having been gathered, is stored by the cultivator, and watched, that it may remain free from mould or taint.

At the end of March, or the beginning of April, when the weather is furiously hot in Bengal, the cultivators, carrying their opium, obey a summons calling them to meet the deputy agent of their village. There the opium is tested, paid for, and taken into the possession of the government.

Finally the opium paste is made into cakes, dried, packed in boxes, and removed to Calcutta, for sale by auction.-Youth's Companion.

Regulate the Diet of the Aged. As we increase in age, when we have spent, say, our first half-century, less energy and activity remain, and less expenditure can be made; less power to eliminate is possible at 50 than at 30, still less at 60 and upward. Less nutriment, therefore, says Sir Henry Thompson, must be taken in proportion as age advances, or rather, as activity diminishes, or the individual will suffer. If he continues to consume the same abundant breakfasts, substantial lunches, and heavy dinners which at the summit of his power he could dispose of almost with impunity he will in time certainly accumulate fat, or become acquainted with gout or rheumatism, or show signs of unhealthy deposit of some kind in some part of the body, processes which must inevitably poison, undermine, or shorten his remaining term of life. He must reduce his "in-take," because a smaller expenditure is an enforced con-

A Novel Method of Ornamentation. A simple method of ornamenting wood or sized paper is to brush over it a thin coating of a very concentrated cold solution of some salt mixed with dextrine, which gives to the surface a beautiful mother-of-pearl appearance. To cause the adhesion of the mixture to glass, an extra coating of an alcoholic shellac solution is necessary. Sulphate of magnesia. acetate of soda and sulphate of tin are among salts which produce the most attractive crystalline coatings.-Frank

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dition of existence.—Herald of Health.

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Will receive deposits on open account, make collections and conduct a general banking and exchange business.

Deposits bearing interest received in their Sav ings Department subject to published rules and

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Limited.

STEAMER KINAU,

(Lorenzon, Commander),

Leaves Honoiulu as per following schedule ouching at Lahaina, Maaiaea, Makena, Mahukona, Kawathae Lanpanoehoe, Hilo and Keauhou; Commencing on MONDAY, July 26, 1886, and on every alternate Monday at 4 p. m., the Kinau will make the VOLCANO ThIP, reaching Keauhou on Wednesday morning, where horses and carriages are in waiting to convey passengers to the VOLCANO HOUSE (five miles in the saddle and nine miles by carriage).

Passengers by this route will nave two days and two nights at the VOLCANO HOUSE. TICKETS FOR THE ROUND TRIP TO THE VOLCANO, FIFTY DOLLARS, WHICH PAYS ALL CHARGES. The Kinau will arrive in Honolulu Sunday mornings on Volcano trips. On Hilo trips, wil leave Honolulu on Tuesdays, and return Saturday

PASSENGER TRAINS will connect with the Kinau at Mahukona The Kinau WILL TOUCH at Honokaia and Paauhau on down trips from Hilo for Passengers if a signal is made from the shore.

STEAMER LIKELIKE, (Davis, Commander),

Leaves Honoldiu every Monday at P. M for *Kaunakakai, Kahului, Huelo. Hana and

Kipanulu, every week; Keanae, Mokulau and Nuu every other week. Returning, will stop at tha above ports, arriving back Saturday mornings. * For mails and passengers only.

STEAMER KILAUEA HOU,

(Cameron, Commander), Will leave regularly for Lahaina, Paauhau, Koholalele, Kukaiau and Ookala,

STEAMER LEHUA,

(Clark, Commander) Will leave regularly for Hakalau, Honomu and

STEAMER MOKOLII,

(McGregor, Commander), Leaves for the following ports every alternate Monday at 5 p. m.:

Commencing May 16th—To Kaunakakai, Kamalo, Pukoo, Lahaina, Olowalu. Returning to Lahaina, Pukoo, Kamalo, Kaunakakai. Arriving at Honolulu Saturday a. m.
Commencing May 9th—To Kaunakakai, Lanai, Kamalo, Pukoo, Halawa, Wailau, Pelekunu, Kalaupapa. Returning to Pukoo, Lahaina, Olowalu. Lahaina, Pukoo, Kamalo, Kaunakakai. Arriving at Honolulu Saturday a. m.

The Company will not be responsible for any freight or packages unless receipted for, nor for personal baggage unless plainly marked. Not responsible for money or jewelry unless placed in harge of the Purser. All possible care will be taken of Live Stock, but the Company will not assume any risk of accident

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COMMENCED OPERATIONS ON THURSDAY, May 26th, and are now prepared to supply TARO FLOUR in any quantities. With new and improved machinery and other apparatus, the present Manager guarantees to supply Taro Flour that will make a better class of Poi than ever produced. All orders to be sent to W. H. CUMMINS, Manager, at the Factory, Wailuku, Maui; or to W. G. IRWIN & CO., Agents, Honolulu.

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M. THOMPSON.

ATTORNEY-AT-LAW, Office in Campbell's Block, corner Fort and Merchant streets, Honolulu, H. I. PRACTICES IN THE COURTS.

When desired, will give the law in a written opinion, as to the probable result of the contention upon the facis stated 44tf

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For four and five foot furnaces, complete with grate bars, bearers and trash carriers. Machines of this make are now in successful operation at Spreckelsville, Makee Sugar Company and other plantations. Also, a consignment of

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Interested are requested to call and examine the above. For prices and further particulars ap Wm. G. Irwin & Co.,

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The following is a report of the component parts, as obtained by Chemical analy-Water..... 8.10 per cent
Organic Matter..... 29.18 "
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